

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	5013309
<b>Application Number:</b>	10825021
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	7500
<b>Title of Invention:</b>	System and method for topology-aware job scheduling and backfilling in an HPC environment
<b>First Named Inventor/Applicant Name:</b>	Shannon V. Davidson
<b>Customer Number:</b>	45507
<b>Filer:</b>	Kevin J Meek/Christine Fortier
<b>Filer Authorized By:</b>	Kevin J Meek
<b>Attorney Docket Number:</b>	064747.1017
<b>Receipt Date:</b>	23-MAR-2009
<b>Filing Date:</b>	15-APR-2004
<b>Time Stamp:</b>	13:33:48
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$180
RAM confirmation Number	8886
Deposit Account	020384
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

## File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1	Information Disclosure Statement Letter	IDSLetter.pdf	49745 02361ed6d29329080a05481b0b0ba425129c bffa	no	2
<b>Warnings:</b>					
<b>Information:</b>					
2	Information Disclosure Statement (IDS) Filed (SB/08)	IDS.pdf	248155 0b1931ac7b0a31027ee4030ad8519e5524527c5 6a72	no	4
<b>Warnings:</b>					
<b>Information:</b>					
This is not an USPTO supplied IDS fillable form					
3	Foreign Reference	JP8227356.pdf	857176 e761810e420113f0cc0e91281515c3cda9f 6db8b	no	12
<b>Warnings:</b>					
<b>Information:</b>					
4	Foreign Reference	WO02095580A1.pdf	3410602 93db7a81f58d1c91bdc9f0239762a8161f02 101a1	no	78
<b>Warnings:</b>					
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5	Foreign Reference	WO2005106696A1.pdf	2170992 a23b19305c76d3738c0082341752aef70b3 838cc	no	44
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6	NPL Documents	6.pdf	666541 16c029f12f10bbcb0bdf10363670c317816cb 49d	no	17
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<b>Information:</b>					
7	NPL Documents	7.pdf	474778 c146a75668aef4987a868703099a8b7715c3a e00a	no	15
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8	NPL Documents	8.pdf	481395 24a6533e01d4f2231ea7a0736e1438126d 4da55	no	13
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9	NPL Documents	9.pdf	410242 3f142283a8bf6cde6d89f6eac4cd88cb34796eb	no	12
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10	NPL Documents	12.pdf	453665 86fdeef5ba156cabe6588beef53cb99f134c7d8cc	no	13
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11	NPL Documents	13.pdf	743879 486c6d4e050a5f6c105136d798d44e7d702c537d4	no	18
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12	NPL Documents	14.pdf	521833 8b4e1585897663c15e6f1c3b76d64894dc992a	no	15
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13	NPL Documents	15.pdf	329733 c5d15e194c2e4078391312c76d883cb172d46cd7	no	10
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14	NPL Documents	16.pdf	194481 477d290d4343d59ec775ee7f7307653c8ec51	no	6
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15	NPL Documents	17.pdf	573120 09527db1b612a2cc0f3ac0ef9a61d4f0dc6f609df	no	18
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34	NPL Documents	38.pdf	148319	no	3
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35	Fee Worksheet (PTO-06)	fee-info.pdf	30199	no	2
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Warnings:					
Information:					

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**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.